

? b 347

[File 347] JAPIO Dec 1976-2008/Aug(Updated 081208)

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? d s

Set Items Description

S1 9094830 S (SECOND OR MULTI? OR HETEROGENEOUS OR DIFFERENT OR VARIED OR VARIOUS OR SEPARATE OR MANY OR MANIFOLD OR NUMEROUS OR MULTIPL? OR MULTITUDE OR SEVERAL OR MANY OR PLURAL? OR VARIET? OR RANGE? ? OR ASSORT???? OR DIVERSE)

S2 2568025 S (VALVE? ? OR THROTTLE? ? OR VALVULAR OR CONTROLLER? ? OR POPPET? ? OR VALVATE? ? OR CHOKE? ? OR GATE? ? OR ACCELATOR? ?)

S3 253060 S S1(3N)S2

S4 290619 S (SENSE??? OR SENSING OR MEASURE??? OR MEASURING OR DETECT??? OR NOTIC? OR DETERMIN? OR OBSERV? OR MONITOR??? OR CHECK? OR PRESEN????)(2N)(LIQUID? ? OR FLUID OR WATER OR FLOW???)

S5 18612 S S4(5N)S2

S6 269952 S S2(3N)(OPEN???)

S7 1676 S S5(10N)S3

S8 259 S S7(10N)(STATUS OR CHANGE??? OR CHANGING OR STATE OR ADJUST? OR ADAPT? OR REGULAT? OR UPDAT? OR MODIFY?)

S9 39503 S S6(10N)(STATUS OR CHANGE??? OR CHANGING OR STATE OR ADJUST? OR ADAPT? OR REGULAT? OR UPDAT? OR MODIFY?)

S10 23 S S9(10N)S7

? s s10 and py=1963:2003

Subject summary

? t/3,k/all

11/3,K/1 (Item 1 from file: 350) [Links](#)Fulltext available through: [Order File History](#)

Derwent WPIX

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0013420843 & *Drawing available*

WPI Acc no: 2003-511398/200348

XRAM Acc no: C2003-136795

Apparatus for equally spraying supplementary water into sintering mixer

Patent Assignee: POSCO (POSC-N)

Inventor: BANG Y H; CHOI J M

Patent Family ( 2 patents, 1 &amp; countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
KR 2003024247	A	20030326	KR 200157301	A	20010917	200348	B
KR 758464	B1	20070914	KR 200157301	A	20010917	200839	E

Priority Applications (no., kind, date): KR 200157301 A 20010917

## Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
KR 2003024247	A	KO	1	10	
KR 758464	B1	KO			Previously issued patent KR 2003024247

Alerting Abstract ...a supplementary water amount passing through the supplementary water pipe(5); an equal water spray adjusting part for providing valve open and shut adjusting signals according to the supplementary water amount detected at the flow rate detector(8); and an electronic valve part(70) comprising a plural electronic valves for opening or closing relevant nozzles in the plural nozzles according to valve adjusting signals.... Basic Derwent Week: 200348...

11/3,K/2 (Item 2 from file: 350) [Links](#)Fulltext available through: [Order File History](#)

Derwent WPIX

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0013328128 & *Drawing available*

WPI Acc no: 2003-415494/200339

XRPX Acc No: N2003-331008

Liquid supply or drain conduit system used in e.g. semiconductor processing, has leakage detector for detecting flow of liquid through second valve when first valve is closed and second valve is opened

Patent Assignee: TAIWAN SEMICONDUCTOR MFG CO LTD (TASE-N)

Inventor: HSIEH T

Patent Family ( 1 patents, 1 &amp; countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6513542	B1	20030204	US 2000634495	A	20000808	200339	B

Priority Applications (no., kind, date): US 2000634495 A 20000808

## Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 6513542	B1	EN	8	6	

Alerting Abstract ...a leakage detector (66) positioned under and in fluid communication with the outlet of a second valve (52) for detecting a flow of liquid through the second valve when the first valve (24) is in a closed state and the second valve is in an opened state. Original Publication Data by AuthorityArgentinaPublication No. ...Claims:second leakage detector positioned under and in fluid communication with said outlet of said fourth valve for detecting a flow of said used liquid through said fourth valve, when said third valve is in a closed state and said fourth valve is in an opened state. ... Basic Derwent Week: 200339...

11/3,K/3 (Item 3 from file: 350) [Links](#)Fulltext available through: [Order File History](#)

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0013085502 & *Drawing available*

WPI Acc no: 2003-166115/200316

XRPX Acc No: N2003-131197

Refrigerator system has control valve in communication with working refrigeration unit and vacuum chamber, opened when detecting refrigerant gas so as to send refrigerant fluid to chamber

Patent Assignee: BUNCH R L (BUNC-I); HERRICK T W (HERR-I); TECUMSEH PROD CO (TECV)

Inventor: BUNCH R L; HERRICK T W

## Patent Family ( 2 patents, 1 &amp; countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20020162343	A1	20021107	US 2001850262	A	20010507	200316	B
US 6571565	B2	20030603	US 2001850262	A	20010507	200339	E

Priority Applications (no., kind, date): US 2001850262 A 20010507

## Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20020162343	A1	EN	13	8	

Original Publication Data by AuthorityArgentinaPublication No. ...Claims:being detected by said detector, whereby refrigerant fluid in said working refrigeration system is sucked into said evacuation volume and said evacuation volume undergoes a change from its first to its second state, said valve resuming its said closed position when said evacuation volume is in its said second state... .. Basic Derwent Week: 200316...

11/3,K/4 (Item 4 from file: 350) [Links](#)

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0012264707 & *Drawing available*

WPI Acc no: 2002-204902/200226

XRPX Acc No: N2002-155901

Apparatus for watering plants has moveable beam on which are arranged several valves for dispensing water, degree of opening of which can be adjusted continuously

Patent Assignee: DRECHSEL A (DREC-I)

Inventor: DRECHSEL A

## Patent Family ( 4 patents, 2 &amp; countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20020005443	A1	20020117	US 2001900582	A	20010706	200226	B
AT 200001188	A	20010915	AT 20001188	A	20000711	200226	E
AT 408938	B	20020315	AT 20001188	A	20000711	200229	E
US 6705553	B2	20040316	US 2001900582	A	20010706	200420	E

Priority Applications (no., kind, date): AT 20001188 A 20000711; US 2001900582 A 20010706

## Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20020005443	A1	EN	7	4	
AT 408938	B	DE			Previously issued patent AT 200001188

Original Publication Data by AuthorityArgentinaPublication No. Original Abstracts:An apparatus for watering plants has a movable beam carrying several valves for dispersing water. At least some of the valves include a mechanism for sensing water flow and a regulator for adjusting the degree of opening of the valve until the actual flow corresponds to a selected flow value which is determined by a central control unit... .. An apparatus for watering plants has a movable beam carrying several valves for dispersing water. At least some of the valves include a mechanism for sensing water flow and a regulator for adjusting the degree of opening of the valve until the actual flow corresponds to a selected flow value which is determined by a central control unit. ...Claims:wherein at least some of the valves each are provided with means (9, 9prime) for direct or indirect sensing an actual flow value (Qist) and an electronic regulating means that adjusts degree of opening of the valve (6) until the actual flow value (Qist) corresponds to a reference flow value (Qsoll) predetermined... .. Basic Derwent Week: 200226...

11/3,K/5 (Item 5 from file: 350) [Links](#)

Fulltext available through: [Order File History](#)

Derwent WPIX

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0010973320 & *Drawing available*

WPI Acc no: 2001-597192/200167

XRPX Acc No: N2001-445246

Protection device in event of pipe rupture with controller to automatically close pipeline

Patent Assignee: ZENG X (ZENG-I)

Inventor: ZENG X

## Patent Family ( 7 patents, 92 &amp; countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 2001073339	A1	20011004	WO 2001CN139	A	20010222	200167	B
AU 200135326	A	20011008	AU 200135326	A	20010222	200208	E
CN 1419640	A	20030521	CN 2001807231	A	20010222	200355	E
US 20040031523	A1	20040219	WO 2001CN139	A	20010222	200414	E

			US 2003240008	A	20030304		
US 20050022873	A1	20050203	WO 2001CN139	A	20010222	200511	E
			US 2003240008	A	20030304		
			US 2004910380	A	20040803		
US 6895994	B2	20050524	WO 2001CN139	A	20010222	200535	E
			US 2002240008	A	20020926		
			US 2004910380	A	20040803		
CN 1213246	C	20050803	CN 2001807231	A	20010222	200647	E

Priority Applications (no., kind, date): CN 2000112797 A 20000327

#### Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
WO 2001073339	A1	ZH	10	2	
National Designated States,Original	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW				
Regional Designated States,Original	AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW				
AU 200135326	A	EN			Based on OPI patent WO 2001073339
US 20040031523	A1	EN			PCT Application WO 2001CN139
US 20050022873	A1	EN			Continuation of application WO 2001CN139
					Continuation of application US 2003240008
US 6895994	B2	EN			Continuation of application WO 2001CN139
					Continuation of application US 2002240008

Original Publication Data by AuthorityArgentinaPublication No. ...Original Abstracts:spring in the first chamber restores a control piston to an initial position. A control valve in the second chamber controls discharge of fluid from the second chamber. A flow state-sensing device introduces fluid in the fluid pipe to the second chamber when the fluid pipe ruptures and leaks... Basic Derwent Week: 200167...

11/3,K/6 (Item 6 from file: 350) [Links](#)

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0010576971 & *Drawing available*

WPI Acc no: 2001-181485/200118

XRPX Acc No: N2001-129417

Fluid detection and shutoff actuation apparatus has shutoff valve with valve body and valve with handle having inner and outer ends with rotatable plate and biasing means

Patent Assignee: JOHNSON C C (JOHN-I); WENDE C A (WEND-I)

Inventor: JOHNSON C C; WENDE C A

Patent Family ( 1 patents, 1 & countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6170798	B1	20010109	US 1999118459	P	19990203	200118	B
			US 1999409769	A	19990930		

Priority Applications (no., kind, date): US 1999118459 P 19990203; US 1999409769 A 19990930

#### Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 6170798	B1	EN	11	5	Related to Provisional US 1999118459

Original Publication Data by AuthorityArgentinaPublication No. ...Claims:said biasing force can rotate said plate from said first to second position and therewith change the valve from the opened to closed condition;(e) fluid detector means for sensing presence or absence of a fluid at a location being monitored; and(f) a control mechanism... Basic Derwent Week: 200118...

11/3,K/7 (Item 7 from file: 350) [Links](#)

Fulltext available through: [Order File History](#)

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0010393320 & *Drawing available*

WPI Acc no: 2000-399679/200034

XRPX Acc No: N2000-299420

System for keeping afloat any type of boat in event of leak involves flotation devices automatically entering into action when water inside boat reaches predetermined maximum level

Patent Assignee: CAFROTO SL (CAFR-N); GOMEZ P C (GOME-I); GOMEZ PORTELA C (PORT-I); KAFLOAT SL (KAFL-N); LOPEZ-PEREA L V (LOPE-I); LOPEZ-PEREA LLOVERES V (LLOV-I)  
 Inventor: GOMEZ P C; GOMEZ PORTELA C; LOPEZ-PEREA L V; LOPEZ-PEREA LLOVERES V  
 Patent Family ( 13 patents, 23 & countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 2000029284	A1	20000525	WO 1999ES365	A	19991112	200034	B
AU 200010477	A	20000605	AU 200010477	A	19991112	200042	E
EP 1151914	A1	20011107	EP 1999954006	A	19991112	200168	E
			WO 1999ES365	A	19991112		
ES 2163958	A1	20020201	ES 19982401	A	19981116	200225	E
AU 749679	B	20020704	AU 200010477	A	19991112	200255	E
US 6431108	B1	20020813	WO 1999ES365	A	19991112	200255	E
			US 2001831265	A	20010718		
JP 2002529318	W	20020910	WO 1999ES365	A	19991112	200274	E
			JP 2000582290	A	19991112		
EP 1151914	B1	20030129	EP 1999954006	A	19991112	200309	E
			WO 1999ES365	A	19991112		
DE 69905202	E	20030306	DE 69905202	A	19991112	200325	E
			EP 1999954006	A	19991112		
			WO 1999ES365	A	19991112		
ES 2163958	B1	20030401	ES 19982401	A	19981116	200332	E
ES 2192088	T3	20030916	EP 1999954006	A	19991112	200368	E
JP 3543270	B2	20040714	WO 1999ES365	A	19991112	200446	E
			JP 2000582290	A	19991112		
CA 2349954	C	20060124	CA 2349954	A	19991112	200612	E
			WO 1999ES365	A	19991112		

Priority Applications (no., kind, date): ES 19982401 A 19981116

#### Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
WO 2000029284	A1	ES	22	4	
National Designated States,Original	AU CA JP US				
Regional Designated States,Original	AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE				
AU 200010477	A	EN			Based on OPI patent WO 2000029284
EP 1151914	A1	EN			PCT Application WO 1999ES365
					Based on OPI patent WO 2000029284
Regional Designated States,Original	AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE				
AU 749679	B	EN			Previously issued patent AU 200010477
					Based on OPI patent WO 2000029284
US 6431108	B1	EN			PCT Application WO 1999ES365
					Based on OPI patent WO 2000029284
JP 2002529318	W	JA	19		PCT Application WO 1999ES365
					Based on OPI patent WO 2000029284
EP 1151914	B1	EN			PCT Application WO 1999ES365
					Based on OPI patent WO 2000029284
Regional Designated States,Original	AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE				
DE 69905202	E	DE			Application EP 1999954006
					PCT Application WO 1999ES365
					Based on OPI patent EP 1151914
					Based on OPI patent WO 2000029284
ES 2192088	T3	ES			Application EP 1999954006
					Based on OPI patent EP 1151914
JP 3543270	B2	JA	8		PCT Application WO 1999ES365
					Previously issued patent JP 2002529318
					Based on OPI patent WO 2000029284
CA 2349954	C	EN			PCT Application WO 1999ES365
					Based on OPI patent WO 2000029284

Original Publication Data by AuthorityArgentinaPublication No. ...Claims:a mechanical section having a container for storage of the pressurized fluid, at least one bypass valve for manual activation of said system, a housing including first and second elements for storage of a flotation element, and pressure regulator for monitoring pressure within the

system; and wherein pressurized fluid enters the housing and fills a g... .. Basic Derwent Week: 200034...

11/3,K/8 (Item 8 from file: 350) [Links](#)

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0010366354 & *Drawing available*

WPI Acc no: 2000-682434/200067

XRAM Acc no: C2000-208164

XRPX Acc No: N2000-505248

Fluid flow adjustment for e.g. distillation column, involves closing opening and closing valve of separate line when fluid flow irregularity is detected by a meter and adjust flow regulation valve of separate lines

Patent Assignee: TOKYO GAS CO LTD (TOLG)

Inventor: HAGA K; MIKAMI N; SO H

Patent Family ( 2 patents, 1 & countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 2000281195	A	20001010	JP 199994053	A	19990331	200067	B
JP 3736723	B2	20060118	JP 199994053	A	19990331	200606	E

Priority Applications (no., kind, date): JP 199994053 A 19990331

#### Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
JP 2000281195	A	JA	3	3	
JP 3736723	B2	JA	5		Previously issued patent JP 2000281195

Fluid flow adjustment for e.g. distillation column, involves closing opening and closing valve of separate line when fluid flow irregularity is detected by a meter and adjust flow regulation valve of separate lines Alerting Abstract ...valve (4a-4n). A flow meter (6) is installed in the joining line. When uneven flow rate is observed in flow meter, the opening and closing valve are closed and flow regulation valve of each separate line are adjusted. ... Basic Derwent Week: 200067...

11/3,K/9 (Item 9 from file: 350) [Links](#)

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0009390704 & *Drawing available*

WPI Acc no: 1999-326064/199927

XRPX Acc No: N1999-244551

Coolant vaporization controller of domestic refrigerator

Patent Assignee: GENERAL ELECTRIC CO (GENE)

Inventor: JASTER H; PARK J

Patent Family ( 1 patents, 1 & countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 5904049	A	19990518	US 1997828611	A	19970331	199927	B

Priority Applications (no., kind, date): US 1997828611 A 19970331

#### Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 5904049	A	EN	10	3	

Original Publication Data by AuthorityArgentinaPublication No. ...Claims:average flow rate of refrigerant through said control valve wherein said oscillation of said control valve is adjusted so as to maintain the temperature difference between said first temperature signal and said second temperature signal in the range between about 1(deg) C. to about 4(deg) C... .. Basic Derwent Week: 199927...

11/3,K/10 (Item 10 from file: 350) [Links](#)

Fulltext available through: [Order File History](#)

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0009215693 & *Drawing available*

WPI Acc no: 1999-141447/199912

XRPX Acc No: N1999-102740

Gas flow controlling method from reservoir to semiconductor process chamber

Patent Assignee: APPLIED MATERIALS INC (MATE-N)

Inventor: MICHAEL; WILMER M E

Patent Family ( 2 patents, 2 & countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
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US 5865205	A	19990202	US 1997840242	A	19970417	199912	B
JP 11045122	A	19990216	JP 1998144979	A	19980417	199917	E

Priority Applications (no., kind, date): US 1997840242 A 19970417

#### Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 5865205	A	EN	15	5	
JP 11045122	A	JA	54		

Original Publication Data by AuthorityArgentinaPublication No. ...Claims:in response to said control signal to control the flow rate of said gas;closing said outlet isolation valve at a second time;measuring the pressure and temperature of said gas in said reservoir to determine a second mass... Basic Derwent Week: 199912...

11/3,K/11 (Item 11 from file: 350) [Links](#)

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0009057585 & *Drawing available*

WPI Acc no: 1998-088080/199809

XRPX Acc No: N1998-069869

Compressed air preparation device for road vehicle compressed air user - forms structural unit with electropneumatic pressure regulator, integrated electropneumatic multi-circuit protection valve and air drier  
Patent Assignee: GRAU GMBH (GRAU-N); HALDEX BRAKE PROD GMBH (HALD-N); HALDEX BRAKE PRODUCTS GMBH & CO KG (HALD-N)

Inventor: BLANZ R; HILBERER E

Patent Family ( 5 patents, 23 & countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
DE 19649498	C1	19980205	DE 19649498	A	19961129	199809	B
EP 845398	A2	19980603	EP 1997119669	A	19971111	199826	E
EP 845398	B1	20010606	EP 1997119669	A	19971111	200133	E
DE 59703724	G	20010712	DE 59703724	A	19971111	200140	E
			EP 1997119669	A	19971111		
ES 2159800	T3	20011016	EP 1997119669	A	19971111	200173	E

Priority Applications (no., kind, date): DE 19649498 A 19961129

#### Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
DE 19649498	C1	DE	13	7	
EP 845398	A2	DE			
Regional Designated States,Original	AL AT BE CH DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI				
EP 845398	B1	DE			
Regional Designated States,Original	DE ES FR GB IT				
DE 59703724	G	DE			Application
					Based on OPI patent
ES 2159800	T3	ES			Application
					Based on OPI patent

Original Publication Data by AuthorityArgentinaPublication No. ...Original Abstracts:check valve (15) is connected with a device for alternating opening and closing the outlet valve (14).

Several identical control units (4-7, etc.) are provided for the individual circuits, each of which has a check valve (46) closing against the flow direction and an operation unit (50) for controlled opening of the check valve. Additionally to the electro-pneumatic pressure regulator (2), a mechanical-pneumatic pressure regulator (3) is integrated, the switch-off pressure of which is clearly higher than that of the electro... Basic Derwent Week: 199809...

11/3,K/12 (Item 12 from file: 350) [Links](#)

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#### Derwent WPIX

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0008438948 & *Drawing available*

WPI Acc no: 1997-557706/199751

XRPX Acc No: N1997-464882

Refrigerant recovery and recycling apparatus e.g. for evacuating refrigerators - transfers refrigerant from one container to another, has compressor, sensor for liquid or vapour state controlling heater, and condenser arranged in fluid communication

Patent Assignee: NAT REFRIGERATION PROD (NARE-N)

Inventor: GERASIMOV P; MANIEZ M J; PECKJIAN B M

Patent Family ( 1 patents, 1 & countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 5685161	A	19971111	US 1996591045	A	19960125	199751	B

Priority Applications (no., kind, date): US 1996591045 A 19960125

#### Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 5685161	A	EN	11	2	

Alerting Abstract ...side of compressor. The inlet of second path communicates with the discharge side. A second valve (S2), actuatable between open and closed state, is located between second fluid path and compressor. The second valve opens only when liquid/vapour sensor detects refrigerant in liquid state. Valve (30) is preferably hand-operated... Original Publication Data by AuthorityArgentinaPublication No. ...Claims:fluid communication with the discharge side of the compressor through a fourth conduit;a second valve, actuatable between an open and a closed state, located in the fourth conduit between the second fluid path of the heat exchanger and the compressor, the second valve only being in the open state in response to the liquid/vapor sensor detection of refrigerant from the first container in the liquid state;a condenser having an inlet... Basic Derwent Week: 199751...

11/3,K/13 (Item 13 from file: 350) [Links](#)

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0007994499 & *Drawing available*

WPI Acc no: 1997-086237/199708

XRPX Acc No: N1997-071093

Liquid delivery system for providing liquid chemicals to number of laundry wash machines - includes single flow meter, monitored by master controller, which measures volume flow of liquid chemical from second liquid conduit assembly into pump

Patent Assignee: DOBER CHEM CORP (DOBE-N)

Inventor: PRENDERGAST F T

Patent Family ( 1 patents, 1 & countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 5590686	A	19970107	US 1995433933	A	19950502	199708	B

Priority Applications (no., kind, date): US 1995433933 A 19950502

#### Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 5590686	A	EN	8	1	

Original Publication Data by AuthorityArgentinaPublication No. ...Claims:pump through said liquid inlet; anda control assembly adapted to control said pump, said plurality of valves and said diluent valve, and for monitoring the volume flow of liquid measured by said total flow meter, said control assembly being adapted to close said diluent valve prior to opening any of said plurality of valves to allow liquid chemical to pass into said second liquid conduit assembly, to open one of said valves to allow liquid chemical from one of... Basic Derwent Week: 199708...

11/3,K/14 (Item 14 from file: 350) [Links](#)

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0007640885 & *Drawing available*

WPI Acc no: 1996-259967/199626

XRPX Acc No: N1996-218612

Pressurised fuel control system esp. for regulating gas flow to portable gas appliance e.g. flashlight or gas torch - has housing with inlet, outlet, and check and regulating valves in which regulator valve structure is coupled to diaphragm to control gas flow

Patent Assignee: THERMO POWER CORP (THER-N)

Inventor: DIEDERICH W J

Patent Family ( 3 patents, 20 & countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 1996015405	A1	19960523	WO 1995US14706	A	19951108	199626	B
US 5522722	A	19960604	US 1994338000	A	19941110	199628	E
EP 792432	A1	19970903	EP 1995939907	A	19951108	199740	E
			WO 1995US14706	A	19951108		



Priority Applications (no., kind, date): US 1994338000 A 19941110

#### Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
WO 1996015405	A1	EN	20	2		
National Designated States,Original	CA JP					
Regional Designated States,Original	AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE					
US 5522722	A	EN	7	2		
EP 792432	A1	EN			PCT Application	WO 1995US14706
					Based on OPI patent	WO 1996015405
Regional Designated States,Original	CH DE LI					

Original Publication Data by AuthorityArgentinaPublication No. ...Claims:passage structure connecting said check valve chamber and said regulator valve chamber, first valve structure disposed in said check valve chamber for preventing liquid fuel from reaching said outlet structure, second valve structure disposed in said regulator valve chamber, said second valve structure including regulator diaphragm structure dividing said regulator valve chamber into a downstream chamber open to atmospheric pressure and an upstream chamber on the opposite side of said diaphragm structure... Basic Derwent Week: 199626...

11/3,K/15 (Item 15 from file: 350) [Links](#)

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0007556572 & *Drawing available*

WPI Acc no: 1996-171296/199617

XRPX Acc No: N1996-143967

Speed changer for hydraulic drive of vehicle etc. - regulates operation according to position of shift lever, and comparison of hydraulic motor speed with stored values

Patent Assignee: KOMATSU KK (KOMS); KOMATSU SEISAKUSHO KK (KOMS)

Inventor: HIRAKI H; KANAYAMA N; MAKIDA R; MAKITA R; OHKURA Y; OKURA Y

Patent Family ( 8 patents, 5 & countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 1996007304	A2	19960314	WO 1995JP1768	A	19950906	199617	B
JP 8082367	A	19960326	JP 1994242173	A	19940909	199622	E
EP 781947	A2	19970702	EP 1995930704	A	19950906	199731	E
			WO 1995JP1768	A	19950906		
US 6182448	B1	20010206	WO 1995JP1768	A	19950906	200109	E
			US 1997793959	A	19970307		
EP 781947	B1	20021204	EP 1995930704	A	19950906	200303	E
			WO 1995JP1768	A	19950906		
DE 69529082	E	20030116	DE 69529082	A	19950906	200313	E
			EP 1995930704	A	19950906		
			WO 1995JP1768	A	19950906		
JP 2004286229	A	20041014	JP 1994242173	A	19940909	200467	E
			JP 2004201264	A	20040708		
JP 3654599	B2	20050602	JP 1994242173	A	19940909	200537	E

Priority Applications (no., kind, date): JP 1994242173 A 19940909; JP 2004201264 A 20040708

#### Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
WO 1996007304	A2	JA	45	15		
National Designated States,Original	US					
Regional Designated States,Original	DE FR GB IT					
JP 8082367	A	JA	20			
EP 781947	A2	EN	29	27	PCT Application	WO 1995JP1768
					Based on OPI patent	WO 1996007304
Regional Designated States,Original	DE FR GB IT					
US 6182448	B1	EN			PCT Application	WO 1995JP1768
					Based on OPI patent	WO 1996007304

EP 781947	B1	EN		PCT Application	WO 1995JP1768
				Based on OPI patent	WO 1996007304
Regional Designated States,Original	DE FR GB IT				
DE 69529082	E	DE		Application	EP 1995930704
				PCT Application	WO 1995JP1768
				Based on OPI patent	EP 781947
				Based on OPI patent	WO 1996007304
JP 2004286229	A	JA	22	Division of application	JP 1994242173
JP 3654599	B2	JA	18	Previously issued patent	JP 08082367

Original Publication Data by AuthorityArgentinaPublication No. ...Claims:the first check valve and the first pipe to the hydraulic motor, and when the second check valve is opened during switching to a reverse operation, return oil can flow from the first pipe through the second check valve and the second pipe to the hydraulic motor; anda control device;wherein said control device, upon detection of a change in the selection of said shift lever to a forward operation or to a reverse... .. Basic Derwent Week: 199617...

11/3,K/16 (Item 16 from file: 350) [Links](#)

Fulltext available through: [Order File History](#)

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0007423619 & & *Drawing available*

WPI Acc no: 1996-031534/199604

XRPX Acc No: N1996-026653

Hydraulic tensioning device for transmission chain of IC engine - has excess pressure valve opening at predetermined pressure in pressure chamber as pressure build-up device

Patent Assignee: WINKELHOFER & SOEHNE GMBH & CO KG JOH (WINH)

Inventor: SCHULZE P

Patent Family ( 4 patents, 5 & countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 686787	A1	19951213	EP 1995108482	A	19950601	199604	B
US 5637047	A	19970610	US 1995458057	A	19950601	199729	E
EP 686787	B1	19981014	EP 1995108482	A	19950601	199845	E
DE 59503901	G	19981119	DE 59503901	A	19950601	199901	E
			EP 1995108482	A	19950601		

Priority Applications (no., kind, date): DE 19949155 U 19940606

#### Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
EP 686787	A1	DE	7	2	
Regional Designated States,Original	DE ES FR GB IT				
US 5637047	A	EN	7	2	
EP 686787	B1	DE			
Regional Designated States,Original	DE ES FR GB IT				
DE 59503901	G	DE			Application
					Based on OPI patent
					EP 1995108482
					EP 686787

Original Publication Data by AuthorityArgentinaPublication No. ...Claims:piston in a second direction thereby increasing said pressure in said pressure chamber, said check valve being adapted to open for supplying hydraulic fluid from said hydraulic fluid supply means into said pressure chamber when a force exerted upon said check valve by said pressure in said pressure chamber... .. Basic Derwent Week: 199604...

11/3,K/17 (Item 17 from file: 350) [Links](#)

Fulltext available through: [Order File History](#)

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0006981181

WPI Acc no: 1994-285413/199435

XRAM Acc no: C1994-130350

Filter cartridge for potable water - has one way ball valves on its inlet and outlet so that water cannot escape from the cartridge when disconnected

Patent Assignee: ACCESS BUSINESS GROUP INT LLC (ACCE-N); ALTICOR INC (ALTI-N); AMWAY CORP (AMWA-N)

Inventor: KOOL D J

Patent Family ( 13 patents, 12 & countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
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US 5344558	A	19940906	US 199317773	A	19930216	199435	B
AU 199453843	A	19940818	AU 199453843	A	19940118	199435	E
EP 616826	A1	19940928	EP 1994301072	A	19940215	199437	E
CA 2113703	A	19940817	CA 2113703	A	19940118	199439	E
BR 199400481	A	19940927	BR 1994481	A	19940209	199440	E
JP 6246109	A	19940906	JP 1993181107	A	19930722	199440	E
AU 668621	B	19960509	AU 199453843	A	19940118	199626	E
CN 1091673	A	19940907	CN 1994101592	A	19940216	199715	E
MX 191265	B	19990219	MX 1994880	A	19940203	200055	E
EP 1136110	A2	20010926	EP 1994301072	A	19940215	200157	E
			EP 2001202623	A	19940215		
KR 328686	B	20020821	KR 19942758	A	19940216	200313	E
CA 2113703	C	20040824	CA 2113703	A	19940118	200457	E
CN 1043850	C	19990630	CN 1994101592	A	19940216	200458	E

Priority Applications (no., kind, date): US 199317773 A 19930216

#### Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes		
US 5344558	A	EN	8	5			
EP 616826	A1	EN	9	5			
Regional Designated States,Original	DE ES FR GB						
CA 2113703	A	EN					
BR 199400481	A	PT					
JP 6246109	A	JA	7	5			
AU 668621	B	EN			Previously issued patent	AU 9453843	
EP 1136110	A2	EN			Division of application	EP 1994301072	
					Division of patent	EP 616826	
Regional Designated States,Original	DE ES FR GB						
KR 328686	B	KO			Previously issued patent	KR 94019338	
CA 2113703	C	EN					

Original Publication Data by AuthorityArgentinaPublication No. ...Claims:outlet when the cartridge is not in service, and the inlet comprising a normally closed second ball check valve (27) adapted to open upon the application of water pressure to the inlet... Basic Derwent Week: 199435...

11/3,K/18 (Item 18 from file: 350) [Links](#)

Fulltext available through: [Order File History](#)

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0005106089 & & Drawing available

WPI Acc no: 1990-093236/199013

Pilot operated one-way flow regulator with by-pass - is placed in pneumatic circuit within, and comprises valve seat closed by taper plunger with two adjustable stops

Patent Assignee: LEGRIS SA (LEGR-N); LEVENEZ Y (LEVE-I)

Inventor: LEVENEZ Y

Patent Family ( 8 patents, 9 & countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 360718	A	19900328	EP 1989460027	A	19890913	199013	B
WO 1990002883	A	19900322	WO 1989FR462	A	19890913	199015	E
FR 2637326	A	19900406	FR 198812409	A	19880916	199021	E
JP 3501996	W	19910509				199125	E
US 5097747	A	19920324	US 1990474718	A	19900405	199215	E
EP 360718	B1	19921223	EP 1989460027	A	19890913	199252	E
DE 68904028	E	19930204	DE 68904028	A	19890913	199306	E
			EP 1989460027	A	19890913		
ES 2036366	T3	19930516	EP 1989460027	A	19890913	199326	E

Priority Applications (no., kind, date): FR 198812409 A 19880916

#### Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes		
EP 360718	A	FR	26				
National Designated	JP US						

States,Original						
Regional Designated States,Original	CH DE ES FR GB IT LI SE					
WO 199002883	A	EN				
National Designated States,Original	JP US					
US 5097747	A	EN	7		Based on OPI patent	WO 902883
EP 360718	B1	FR	8	4		
Regional Designated States,Original	CH DE ES FR GB IT LI SE					
DE 68904028	E	DE			Application	EP 1989460027
					Based on OPI patent	EP 360718
ES 2036366	T3	ES			Application	EP 1989460027
					Based on OPI patent	EP 360718

Original Publication Data by AuthorityArgentinaPublication No. ...Original Abstracts:second screw (7) whose adjustment permits a second smaller flowrate than the first one and which thus determines the second speed. The return valve (14) opens to the intake flow passing through the apparatus in the opposite direction towards the cylinder in its return stroke and with the pilot signal... .. Basic Derwent Week: 199013...

11/3,K/19 (Item 19 from file: 350) [Links](#)

Fulltext available through: [Order File History](#)

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0003313379

WPI Acc no: 1985-075944/198513

Internal combustion engine air-fuel mixture control appts. - ensures that ratio converges at command ratio by detecting oxygen concentration in exhaust gases using closed loop controller

Patent Assignee: HITACHI LTD (HITA)

Inventor: KIRISAWA T; KUROIWA H; OYAMA Y; YAMAUCHI T

Patent Family ( 5 patents, 3 & countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 135176	A	19850327	EP 1984110129	A	19840824	198513	B
US 4552116	A	19851112	US 1984641337	A	19840816	198548	E
EP 135176	B	19900314	EP 1984110129	A	19840824	199011	E
DE 3481655	G	19900419				199017	E
KR 199201752	B1	19920224	KR 19844792	A	19840810	199344	E

Priority Applications (no., kind, date): JP 1983155096 A 19830826

#### Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
EP 135176	A	EN	35	17	
Regional Designated States,Original	DE GB				
EP 135176	B	EN		17	
Regional Designated States,Original	DE GB				

Original Publication Data by AuthorityArgentinaPublication No. ...Original Abstracts:ensuring a good air-fuel ratio control, the control apparatus comprises first closed loop control adapted to detect the throttle valve opening and to effect a control to make the throttle valve opening converge at the command opening and second closed loop control adapted to detect the air-flow ratio of the air-fuel mixture fed to the engine with air-fuel ratio sensor which detects oxygen concentration in... .. Basic Derwent Week: 198513...

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